

**IN THE CLAIMS**

Please add the following new claim:

34. (New) A microscope comprising:
- two objectives between which a light-transmitting specimen is arranged;
  - said objectives having at least substantially identical optical characteristics; and
  - at least one of said two objectives being followed by a phase-conjugating mirror for reflecting light transmitted through the specimen back into itself exactly with respect to direction and phase front wherein the reflector is placed in the pupil plane of said at least one objective; and
  - a detector for receiving reflected specimen fluorescent radiation from the light transmitting specimen.

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Sub  
or

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